

Becoming a Great University: How do we stack up against the best?

President Wayne Clough
Administrative Retreat
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Who are the great universities?

- Top 25 undergraduate ranking (*USNWR*)
- Top tier in at least four graduate disciplines

Princeton

Harvard

Yale

Cal Tech

MIT

Stanford

U Penn

Columbia

Chicago

Berkeley

Michigan

Georgia Tech: #41; top tier in 1 graduate discipline

Who are our peers?

Cal Tech*	Texas A&M
Carnegie Mellon	Berkeley*
Cornell	UCLA
Johns Hopkins	Florida
MIT*	Illinois U-C
NC State	Michigan*
Northwestern	Minnesota
Penn State	UT Austin
Purdue	U Washington
Stanford*	Virginia Tech

* Also among the great universities

Students

Princeton Review Party Schools

1 U Tenn, Knoxville

2 Louisiana State

3 U Cal Santa Cruz

4 Florida State

5 U of Colorado

6 Alabama, Birmingham

7 St. Bonaventure

8 Ohio State

9 U of Wisconsin

10 U of Florida

11 U of New Hampshire

12 UGA

13 UT Austin

14 Tulane U

15 Lehigh U

16 New York U

17 Colgate U

18 U of Vermont

19 Southern Methodist U

20 U Cal Santa Barbara

Students

Kaplan asked high school counselors:
If the movie “Animal House” were being
remade today, where would it be filmed?

Among the top 20:

University of Florida

University of Texas at Austin

Penn State University

University of Georgia

Peer Undergraduate Rankings

4 Cal Tech

5 MIT

5 Stanford

12 Northwestern

14 Cornell

16 Johns Hopkins

20 Berkeley

23 Carnegie Mellon

25 Michigan

26 UCLA

36 Illinois U-C

41 Ga Tech

45 Washington

46 Penn State

48 Texas A&M

48 UT Austin

NC State*

Purdue*

Florida*

Va Tech*

Minnesota*

UGA*

* Second tier

Ranking by Reputation Score

(Peers, Greats and **UGA**)

<u>Reputation</u>	<u>Rank</u>	<u>Reputation</u>	<u>Rank</u>
1 Princeton	1	19 UCLA	26
1 Harvard	2	22 Carnegie Mell	23
1 Yale	3	22 Illinois U-C	36
1 MIT	5	25 UT Austin	48
1 Stanford	5	28 Ga Tech	41
6 Berkeley	20	28 Washington	45
7 Cal Tech	4	35 Penn State	46
7 Chicago	9	40 Texas A&M	48
7 Johns Hopk	19	53 Purdue	2 nd tier
10 Columbia	9	55 Minnesota	2 nd tier
10 Cornell	12	61 Florida	2 nd tier
10 Michigan	25	63 UGA	2 nd tier
14 U Penn	5	64 Va Tech	2 nd tier
15 Northwestern	12	78 NC State	2 nd tier

Students

SAT Scores at 75th Percentile

Cal Tech	1580	Illinois U-C	1370
MIT	1560	Minnesota	1325
Stanford	1560	Florida	1320
Johns Hopkins	1480	UT Austin	1310
Northwestern	1470	UGA	1300
Carnegie Mell	1460	NC State	1290
Cornell	1460	Penn State	1290
Berkeley	1450	Texas A&M	1290
Ga Tech	1420	Washington	1270
UCLA	1400	Va Tech	1270
Michigan	1380	Purdue	1240

Students

National Merit Scholars

(% of 2000 freshmen)

Cal Tech	24.77%	UCLA	2.05%
Stanford	16.41%	Carnegie Mellon	1.59%
MIT	16.07%	Michigan	1.17%
Johns Hopkins	7.41%	Purdue	1.14%
Northwestern	6.62%	Minnesota	1.01%
Berkeley	6.12%	Washington	.79%
Ga Tech	4.64%	NC State	.72%
UT Austin	3.23%	Va Tech	.56%
Texas A&M	2.69%	Penn State	.39%
Florida	2.53%	Illinois U-C	.38%
Cornell	2.11%	UGA	.01%

Students

National Achievement Scholars

(% of 2000 freshmen)

Stanford	3.10%	Texas A&M	.11%
MIT	1.95%	Illinois	.06%
Ga Tech	.95%	Berkeley	.05%
Cal Tech	.93%	UCLA	.05%
Johns Hopkins	.93%	UT Austin	.04%
Florida	.62%	Va Tech	.04%
Northwestern	.51%	Washington	.02%
Carnegie Mellon	.38%	Minnesota	.02%
NC State	.23%	Penn State	.02%
Cornell	.20%	Purdue	.02%
Michigan	.15%	UGA	.00%

Students

Prestigious Scholarships

	(96-02) <u>Rhodes</u>	(97-02) <u>Marsh</u>		(96-02) <u>Rhodes</u>	(97-02) <u>Marsh</u>
Harvard	26	33	UCLA	1	3
Yale	13	8	UT Austin	1	3
Princeton	7	11	Ga Tech	1	2
Stanford	7	9	Johns Hopkins	1	2
Chicago	7	6	Va Tech	1	2
MIT	6	12	Michigan	1	1
Cornell	3	7	Minnesota	1	1
Columbia	3	6	Florida	1	--
UGA	3	--	Illinois	1	--
Carnegie Mel	2	--	Northwestern	--	6
Penn State	2	--	Berkeley	--	2
Washington	2	--	Cal Tech	--	1
			Texas A&M	--	1

Students

Diversity: % Minority

Including Asian Americans

UCLA	56%	Illinois U-C	26%
Berkeley	55%	Johns Hopkins	25%
MIT	46%	Michigan	25%
Stanford	46%	Georgia Tech	24%
Cal Tech	31%	NC State	18%
UT Austin	31%	Minnesota	15%
Washington	31%	Texas A&M	14%
Carnegie Mellon	29%	Penn State	12%
Northwestern	28%	Virginia Tech	12%
Florida	27%	UGA	10%
Cornell	27%	Purdue	9%

Students

Diversity: % Women

Texas A&M	49%
Virginia Tech	41%
MIT	41%
Cal Tech	32%
Georgia Tech	29%*
Other peers average	49%

* Lowest among peer institutions

Faculty

Nobel Prize Winners Since 1980

Stanford	10	UC San Fran	3
Chicago	9	Colorado	3
MIT	8	Washington	3
Harvard	7	Rice	2
Princeton	6	UC Irvine	2
Cal Tech	5	U Penn	2
Columbia	5	Yale	2
Berkeley	5	CUNY	1
Cornell	4	Northwestern	1
Rockefeller	3	Trinity College	1
UCLA	3	USC	1
UC Santa Barb	3		

Peers

Greats

Faculty

Peer Academy Memberships

	<u>Total</u>	<u>NAE</u>	<u>NAS</u>		<u>Total</u>	<u>NAE</u>	<u>NAS</u>
MIT	231	109	100	Minnesota	36	21	13
Stanford	224	83	117	Northwest	33	19	12
Berkeley	205	71	125	Ga Tech	26	22	3
Cal Tech	96	30	64	Penn State	25	9	11
Washing	69	11	39	Carneg M	22	13	7
Cornell	63	22	39	NC State	19	10	9
Michigan	57	17	24	Tex A&M	17	12	5
Illinois	54	27	23	Florida	15	4	9
UT Austin	53	40	13	Purdue	15	10	4
UCLA	51	14	31	Va Tech	12	9	3
Johns Hop	37	6	16	UGA	8	1	7

Faculty

Peer Career Awards

Illinois U-C	83	Berkeley	38
Ga Tech	72	Minnesota	36
MIT	63	UT Austin	36
Michigan	61	Washington	34
Penn State	53	Stanford	32
Purdue	53	Florida	30
Northwestern	45	Johns Hopkins	27
UCLA	43	Va Tech	25
Cornell	42	Cal Tech	16
Carnegie Mellon	40	Texas A&M	9
NC State	40	UGA	7

Faculty

Diversity: % Minority (Tenured, Tenure-Track)

	<u>Total</u>	<u>Underrep</u>		<u>Total</u>	<u>Underrep</u>
Ga Tech	20%	4%	NC State	12%	6%
UCLA	19%	8%	Stanford	12%	6%
Michigan	14%	8%	Johns Hop	12%	5%
Illinois	14%	7%	Nor'wes	12%	4%
Berkeley	14%	6%	Purdue	12%	4%
UT Austin	13%	8%	Cornell	11%	6%
Texas A&M	13%	7%	Florida	11%	6%
Penn State	13%	6%	Va Tech	10%	5%
Washington	13%	5%	Minnesota	10%	4%
MIT	13%	4%	Cal Tech	9%	0%
UGA	12%	7%	Carn Mell	5%	3%

Faculty

Diversity: % Women

	<u>Tenured</u>	<u>All Tenure Track</u>
Virginia Tech	17%	21%
Texas A&M	15%	19%
MIT	15%	16%
Georgia Tech	12%	16%
Cal Tech	10%	10%
Other peers	20% average	24% average

Faculty

Peer Average Salary

FY 2002

Cal Tech	\$117,140	Illinois U-C	\$ 82,284
Stanford	\$111,508	UT Austin	\$ 81,964
MIT	\$105,714	Minnesota	\$ 80,802
Northwestern	\$100,561	Texas A&M	\$ 77,868
Berkeley	\$ 99,920	Penn State	\$ 77,396
UCLA	\$ 96,849	NC State	\$ 77,213
Cornell	\$ 95,833	Washington	\$ 76,711
Carnegie Mell	\$ 92,311	Va Tech	\$ 75,963
Georgia Tech	\$ 88,381	Purdue	\$ 73,261
Michigan	\$ 87,310	UGA	\$ 71,617
Johns Hopkins	\$ 87,289	Florida	\$ 71,184

Academic Programs

Number of Degree Programs

	<u>Total</u>	<u>Under</u>	<u>Grad</u>
Michigan	587	389	198
UGA	366	160	206
Washington	303	154	149
Berkeley	250	139	111
MIT	242	76	166
Va Tech	227	103	124
UT Austin	225	96	129
Texas A&M	215	87	128
Stanford	188	104	84
NC State	181	83	98
Ga Tech	103	32	71
Cal Tech	49	20	29

	<u>MIT</u>	<u>GT</u>	<u>VT</u>
Bach	76	32	103
Mast	63	43	67
PhD	103	28	57
Total	242	103	227

Academic Programs

Peer Focus on Engineering

(% of FY 2001 diplomas)

	<u>Undergrad</u>	<u>Grad</u>		<u>Undergrad</u>	<u>Grad</u>
Ga Tech	57%	62%	Northwest	14%	10%
Cal Tech	50%	52%	Stanford	14%	37%
MIT	42%	54%	Penn State	14%	26%
NC State	26%	29%	Berkeley	13%	20%
Carnegie Mell	25%	17%	Minnesota	12%	12%
Va Tech	20%	30%	Texas A&M	12%	25%
Purdue	19%	31%	Florida	10%	19%
Michigan	18%	21%	UT Austin	10%	16%
Illinois	17%	17%	Washington	9%	12%
Johns Hopkins	17%	10%	UCLA	7%	8%
Cornell	15%	23%	UGA	0%	0%

Academic Programs

Peer Focus on Life Sciences

(% of FY 2001 diplomas)

	<u>Undergrad</u>	<u>Grad</u>		<u>Undergrad</u>	<u>Grad</u>
Johns Hop	32%	24%	Cal Tech	9%	5%
Berkeley	14%	12%	NC State	9%	8%
UCLA	14%	20%	UGA	9%	5%
Washington	14%	17%	Purdue	8%	7%
Florida	12%	21%	Stanford	8%	5%
Illinois U-C	11%	6%	Northwest	7%	8%
Minnesota	10%	17%	Texas A&M	6%	5%
UT Austin	10%	6%	Va Tech	6%	3%
Penn State	10%	8%	Cornell	4%	5%
Michigan	9%	13%	Carnegie Mel	4%	0
MIT	9%	3%	Ga Tech	3%	2%

Academic Programs

Peer Focus on Physical Sciences

(% of FY 2001 diplomas)

	<u>Undergrad</u>	<u>Grad</u>		<u>Undergrad</u>	<u>Grad</u>
Cal Tech	33%	32%	Penn State	2%	6%
MIT	8%	5%	Illinois U-C	2%	5%
NC State	4%	4%	UCLA	2%	5%
Stanford	4%	6%	UT Austin	2%	4%
Carnegie Mel	3%	3%	Texas A&M	1%	6%
Ga Tech	2%	4%	Purdue	1%	5%
Berkeley	2%	6%	Michigan	1%	3%
Minnesota	2%	2%	Florida	1%	3%
Johns Hop	2%	4%	UGA	1%	3%
Washington	2%	5%	Va Tech	1%	2%
Cornell	2%	5%	Northwest	1%	1%

Academic Programs

Focus on Business Administration

(% of FY 2001 diplomas)

	<u>Undergrad</u>	<u>Grad</u>		<u>Undergrad</u>	<u>Grad</u>
UGA	25%	17%	Carnegie Mel	12%	31%
Penn State	23%	10%	Washington	12%	14%
Va Tech	23%	15%	Minnesota	9%	19%
Florida	21%	16%	MIT	8%	23%
Illinois U-C	17%	16%	Michigan	6%	23%
Purdue	17%	20%	Johns Hopk	5%	17%
Texas A&M	16%	23%	UCLA	5%	20%
Ga Tech	15%	11%	Berkeley	4%	15%
NC State	14%	9%	Northwest	2%	47%
UT Austin	13%	26%	Stanford	0	16%
Cornell	13%	27%	Cal Tech	0	0

Academic Programs

Peer Focus on Architecture

(% of FY 2001 diplomas)

	<u>Undergrad</u>	<u>Grad</u>		<u>Undergrad</u>	<u>Grad</u>
Carnegie Mel	3%	1%	Michigan	2%	5%
Berkeley	3%	5%	Penn State	2%	1%
Ga Tech	3%	6%	UT Austin	1%	2%
Va Tech	3%	4%	UGA	1%	1%
Illinois	3%	3%	UCLA	0	5%
Minnesota	3%	2%	Florida	0	2%
Cornell	2%	3%	Purdue	0	0
Texas A&M	2%	3%	Cal Tech	0	0
MIT	2%	8%	Johns Hopk	0	0
Washington	2%	5%	Northwest	0	0
NC State	2%	3%	Stanford	0	0

Research

Peer Total Expenditures

FY 1993 & 2000, in millions

	<u>2000</u>	<u>1993</u>	<u>Incr</u>		<u>2000</u>	<u>1993</u>	<u>Incr</u>
Johns Hop	\$901	\$746	21 %	Illinois	\$373	\$253	47 %
Michigan	\$552	\$426	30 %	Florida	\$314	\$143	120 %
UCLA	\$531	\$278	91 %	Ga Tech	\$305	\$176	73 %
Washington	\$529	\$335	58 %	NC State	\$278	\$156	78 %
Berkeley	\$519	\$284	83 %	UT Austin	\$273	\$249	10 %
Stanford	\$455	\$306	49 %	UGA	\$258	\$172	50 %
Penn State	\$428	\$283	52 %	Northwest	\$246	\$162	52 %
MIT	\$426	\$377	13 %	Purdue	\$235	\$149	58 %
Minnesota	\$411	\$332	24 %	Cal Tech	\$223	\$115	94 %
Cornell	\$410	\$311	32 %	Va Tech	\$193	\$136	42 %
Texas A&M	\$397	\$323	23 %	Carnegie M	\$138	\$118	17 %

— Indicates placement in top 50 in increments of ten

Research

Engineering Centers of Excellence

MIT	6	UT Austin	2
Georgia Tech	3	NC State	1
Carnegie Mellon	3	Purdue	1
Berkeley	3	UCLA	1
Washington	2	Florida	1
Cal Tech	2	Minnesota	1
Texas A&M	2	Virginia Tech	1
Illinois U-C	2	Johns Hopkins	1
Cornell	2	Northwestern	1
Stanford	2	Penn State	0
Michigan	2	UGA	0

Research

Patents: Filed and Issued

By # Issued, FY 2000

	<u>Issued</u>	<u>Filed</u>		<u>Issued</u>	<u>Filed</u>
MIT	152	316	UT Austin	28	60
Cal Tech	108	348	Carnegie Mel	27	39
Johns Hopk	106	331	Ga Tech	24	182
Michigan	77	141	Texas A&M*	24	94
Cornell	68	167	Va Tech	24	79
Florida	56	134	Northwestern	18	68
NC State	45	103	UGA	17	73
Penn State	43	293	Purdue	11	71
Illinois U-C	31	95			

* System

Research

Peer License Income

FY 2000

	<u>Income</u>	<u># Licen</u>		<u>Income</u>	<u>#Licen</u>
U Cal Syst	\$261.5 m	781	Cornell	\$ 5.4 m	188
Stanford	\$ 34.6 m	378	Michigan	\$ 3.8 m	111
MIT	\$ 30.2 m	362	UGA	\$ 3.7 m	73
Washingtn	\$ 30.2 m	385	Ga Tech	\$ 3.5 m	54
Florida	\$ 26.3 m	37	NC State	\$ 2.6 m	76
Michigan	\$ 25.7 m	47	Carneg M	\$ 2.3 m	38
Cal Tech	\$ 23.7 m	65	Va Tech	\$ 1.5 m	83
Minnesota	\$ 22.7 m	248	UT Austin	\$ 1.5 m	21
Johns Hop	\$ 14.4 m	166	Purdue	\$ 1.4 m	208
Tx A&M*	\$ 5.9 m	203	Penn State	\$ 1.3 m	58
			Northwest	\$ 1.1 m	45

*System

Research

License Income Growth, 1996-2000

U Penn	3361%	Florida	138%
Yale	713%	Harvard	134%
Cal Tech	507%	Tx A&M Sys	117%
Johns Hop	377%	Illinois U-C	76%
U Cal Syst	357%	Ga Tech	64%
Princeton	294%	Va Tech	45%
Minnesota	294%	NC State	40%
Michigan	257%	Penn State	37%
Columbia	257%	UT Austin	20%
Washington	251%	Purdue	16%
UGA	244%	Northwestern	0%
MIT	224%	Carnegie Mell	-68%
Cornell	149%	Chicago	-82%

Research

Inventions Disclosed per \$1 m Research

4	Cal Tech	1.2	46	Washington	.4
23	Georgia Tech	.6	55	Northwestern	.4
27	Carnegie Mellon	.6	58	U Cal System	.4
29	Stanford	.6	70	Illinois U-C	.4
35	Virginia Tech	.5	74	Tex A&M Sys	.4
36	MIT	.5	75	NC State	.3
37	Cornell	.5	79	UT Austin	.3
38	Florida	.5	80	Michigan	.3
39	Minnesota	.5	83	Harvard	.3
40	Penn State	.5	92	UGA	.3
43	Purdue	.5	96	Johns Hopkins	.3

Fund Raising

Peer Billion-dollar Campaigns

<u>Recent</u>	<u>Duration</u>	<u>Goal</u>	<u>Raised</u>
Cornell	90-96	\$1.25 b	\$1.5 b
Johns Hopkins	94-00	\$1.2 b	\$1.46 b
Berkeley	96-00	\$1.1 b	\$1.44 b
Michigan	92-97	\$1 b	\$1.4 b
<u>Underway</u>			
Johns Hopkins	02-07	\$2 b	\$741m (5/02)
MIT	97-04	\$1.5 b	\$1.43 b (5/02)
Northwestern	98-03	\$1.4 b	\$1.3 b (6/02)
Minnesota	99-03	\$1.3 b	\$1 b (1/02)
Penn State	99-03	\$1.3 b	\$1.2 b (5/02)
Stanford	00-05	\$1 b	\$754 m (5/02)
UT Austin	97-04	\$1 b	\$1.16 b (2/02)

Safety

Peer Campus Crime

(Crime per student, 1998)

U Washington	1/34	Texas A&M	1/129
Berkeley	1/35	Penn State	1/130
Stanford	1/48	Florida	1/130
Cornell	1/51	Northwestern	1/138
Minnesota	1/55	Purdue	1/184
Michigan	1/56	NC State	1/192
Carnegie Mel	1/62	Va Tech	1/211
MIT	1/72	Illinois U-C	1/223
Ga Tech	1/75	UT Austin	1/339
UCLA	1/85	Johns Hopkins	1/490
UGA	1/91		

Campus Crime: By Type

(% of
reported
crimes,
1998)

Alcohol/drug

Purdue	87%
Minnesota	86%
Carnegie Mell	85%
Texas A&M	79%
Berkeley	77%
Penn State	75%
UGA	75%
Michigan	69%
UT Austin	63%
Cornell	58%
Washington	55%
Northwestern	55%
Florida	50%
Va Tech	42%
Illinois U-C	41%
Stanford	27%
Ga Tech	16%
UCLA	13%
MIT	12%
Johns Hopkins	3%

Burglary/vehicle theft

Ga Tech	78%
MIT	71%
UCLA	71%
Stanford	66%
NC State	50%
Northwestern	38%
Johns Hopkins	34%
Florida	33%
Illinois U-C	32%
Cornell	30%
Va Tech	29%
Washington	28%
UT Austin	27%
Michigan	20%
Texas A&M	18%
Penn State	17%
UGA	16%
Carnegie Mell	13%
Minnesota	10%
Purdue	7%

A Sense of Place

Columbia



Stanford

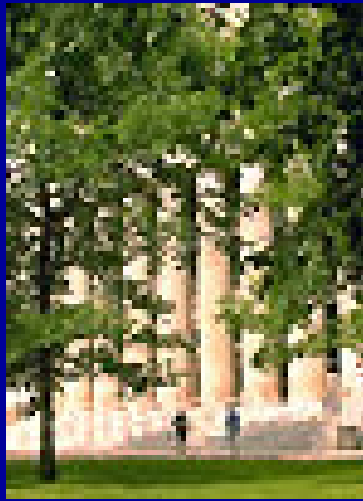


Princeton



MIT

Michigan



A Sense of Place

Georgia Tech



Berkeley

